

Amendments to the Claims

Claim 1. (Cancelled)

Claim 2. (New) A height adjusting device for adjusting a height of a vehicle seat, said vehicle seat including a seat cushion frame having a pair of first and second spaced apart side frame sections, and first and second pairs of spaced apart brackets, said height adjusting device comprising:

two pairs of forward and rearward linkage members;
said forward linkage members being bridged between first portions of said side frame sections and said first pair of spaced apart brackets;
said rearward linkage members being bridged between second portions of said side frame sections and said second pair of spaced apart brackets;
a first pipe-shaped connecting shaft rotatably supported to said side frame sections;
said first connecting shaft having a first end and a second end;
said rearward linkage members being supported by said first connecting shaft;
a second connecting shaft rotatably supported to said side frame sections;
said forward linkage members being supported by said second connecting shaft;
an actuating mechanism arranged on an inner surface of said first side frame section for actuating said forward and rearward linkage members;
an operating knob attached to an outer surface of said first side frame section and coupled through said first side frame section to said actuating mechanism for causing said actuating mechanism to be actuated, to thereby cause said vehicle seat to be vertically moved;
a first supporting pin comprising a first end portion, a second end portion, and a first circumferential flange portion provided between said first and second end portions;
said second end portion of said first supporting pin comprising a first large diameter region and a first relatively small diameter region; and
a second supporting pin comprising a third end portion, a fourth end portion, and a second circumferential flange portion provided between said third and fourth end portions;
said fourth end portion of said second supporting pin comprising a second large diameter region and a second relatively small diameter region;
said first end portion of said first supporting pin being penetrated through one of said

rearward linkage members with said first circumferential flange portion thereof contacting an outer surface of said one of said rearward linkage members and welded to said outer surface of said one of said rearward linkage members;

 said first end of said first pipe-shaped connecting shaft being fitted over said first end portion of said first supporting pin so as to contact an inner surface of said one of said rearward linkage members and welded to said inner surface;

 said second end portion of said first supporting pin being penetrated through said first side frame section and riveted at said first relatively small diameter region thereof over said outer surface of said first side frame section;

 said third end portion of said second supporting pin being penetrated through another of said rearward linkage members with said second circumferential flange portion thereof contacting an outer surface of said other of said rearward linkage members and welded to said outer surface of the other of said rearward linkage members;

 said second end of said first pipe-shaped connecting shaft being fitted over said third end portion of said second supporting pin so as to contact an inner surface of said other of said rearward linkage members and welded to said inner surface of said other of said rearward linkage members; and

 said fourth end portion of said second supporting pin being penetrated through said second side frame section and riveted at said second relatively small diameter region thereof over an outer surface of said second side frame section.

Claim 3. (New) A height adjusting device according to claim 2, wherein said first circumferential flange portion of said first supporting pin is welded to the surface of the one of said rearward linkage members by projection welding, and said second circumferential flange portion of said second supporting pin is welded to the surface of the other of said rearward linkage members by projection welding.

Claim 4. (New) A height adjusting device according to claim 2, wherein said vehicle seat is provided with a track mechanism for allowing said vehicle seat to be moved forward and rearward in an interior of a vehicle, said track mechanism comprising a pair of spaced apart lower rail members mounted on a vehicle floor and a pair of upper rail members slidably supported to said lower rail members, and said first and second pairs of spaced apart brackets

being provided at said upper rail members.

Claim 5. (New) A height adjusting device according to claim 4, wherein said first circumferential flange portion of said first supporting pin is welded to the surface of the one of said rearward linkage members by projection welding, and said second circumferential flange portion of said second supporting pin is welded to the surface of the other of said rearward linkage members by projection welding.

Claim 6. (New) A method for assembling a height adjusting device for adjusting a height of a vehicle seat, said vehicle seat including a seat cushion frame having a pair of first and second spaced apart side frame sections, and first and second pairs of spaced apart brackets, said height adjusting device comprising a pair of forward linkage members adapted to be bridged between first portions of said side frame sections and said first pair of spaced apart brackets, a pair of rearward members adapted to be bridged between second portions of said side frame sections and said second pair of spaced apart brackets, a first pipe-shaped connecting shaft adapted to be rotatably supported to said side frame sections and having a first end and a second end, an actuating mechanism arranged on an inner surface of said first side frame section for actuating said forward and rearward linkage members, and an operating knob attached to an outer surface of said first side frame section and coupled through said first side frame section to said actuating mechanism for causing said actuating mechanism to be actuated, to thereby cause said vehicle seat to be vertically moved, said assembling method comprising the steps of:

(a) preparing a first supporting pin comprising a first end portion, a second end portion, and a first circumferential flange portion provided between said first and second end portions, said second end portion of said first supporting pin comprising a first large diameter region and a first relatively small diameter region;

(b) preparing a second supporting pin comprising a third end portion, a fourth end portion, and a second circumferential flange portion provided between said third and fourth end portions, said fourth end portion of said second supporting pin comprising a second large diameter region and a second relatively small diameter region;

(c) causing said first end portion of said first supporting pin to be penetrated through one of said rearward linkage members in such a manner that said first circumferential flange portion thereof contacts an outer surface of said one of said rearward linkage members;

(d) welding said first circumferential flange portion of said first supporting pin to the outer surface of said one of said rearward linkage members;

(e) causing said third end portion of said second supporting pin to be penetrated through the other of said rearward linkage members in such a manner that said second circumferential flange portion thereof contacts an outer surface of the other of said rearward linkage members;

(f) welding said second circumferential flange portion of said second supporting pin to said outer surface of said other of said rearward linkage members;

(g) causing said first end of said first pipe-shaped connecting shaft to be fitted over said first end portion of said first supporting pin so as to contact said one of said rearward linkage members;

(h) causing said second end of said first pipe-shaped connecting shaft to be fitted over said third end portion of said second supporting pin so as to contact said other of said rearward linkage members;

(i) causing said second end portion of said first supporting pin to be penetrated through said first side frame section;

(j) causing said fourth end portion of said second supporting pin to be penetrated through said second side frame section;

(k) causing said first relatively small diameter region of said first supporting pin to be riveted over said outer surface of said first side frame section;

(l) causing said second relatively small diameter region of said second supporting pin to be riveted over an outer surface of said second side frame section;

(m) welding said first end of said first pipe-shaped connecting shaft to said one of said rearward linkage members; and

(n) welding said second end of said first pipe-shaped connecting shaft to said other of said rearward linkage members.

Claim 7. (New) An assembling method according to claim 6, wherein the steps (d) and (f) are performed by projection welding.